

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

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Report No. 403 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 5/1/07 to 6/1/07:

- **WD2XYW HOLDAHL, THEODORE 0111-EX-PL-2006**
New experimental to operate in 135.7-137.8 kHz for investigating antenna and propagation variances.
Fixed: Lake Quivira (Johnson), KS
- **WA2XXL HAWAII OCEANOGRAPHY, UNIVERSITY OF 0483-EX-PL-2006**
New experimental on 12100 kHz, 16046 kHz, 16200 and 27300 kHz to fulfill National Science Foundation Contract to map surface ocean currents.
Mobile: Hawaiian Island Chain, HI
- **WE2XAX ORBITAL SCIENCES CORPORATION 0524-EX-PL-2006**
New experimental to operate in 137-138 MHz, 148-150 MHz and 162 MHz for satellite antenna testing.
Fixed: Dulles (Loudoun), VA
- **WE2XCL RECONROBOTICS, LLC 0056-EX-PL-2007**
New experimental to operate in 430.92-436.92 MHz, 913-919 MHz and 2449-2455 MHz for testing a miniature robot that can perform recon and surveillance tasks.
Mobile: Minnetonka (Hennepin), MN
- **WE2XBZ CONSULTING & ENGINEERING NEXT GENERATION NETWORKS INC. 0331-EX-PL-2006**
New experimental to operate in 902-928 MHz for field testing.
Mobile: Coalinga, CA and a radius of 100 KM
- **WC2XQA SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT 0505-EX-PL-2006**
New experimental to operate wind profiler radar on 915 MHz for meteorological studies.
Fixed: Ontario (San Bernardino) CA
- **WC2XQB SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT 0506-EX-PL-2006**
New experimental to operate wind profiler radar on 915 MHz for meteorological studies.
Fixed: Moreno Valley (Riverside) CA
- **WE2XEC LOCKHEED MARTIN CORPORATION 0679-EX-PL-2006**
New experimental to operate on 1227.6 MHz and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.
Fixed: Grand Prairie (Dallas), TX; Camden (Quachita), AR
- **WE2XEO QUALCOMM INC. 0686-EX-PL-2006**
New experimental to operate on 1454.50 MHz, 1459.50 MHz, 1464.50 MHz and 1464.50 MHz for MediaFlo testing.
Fixed: San Diego (San Diego), CA

- **WE2XDS L-3 COMMUNICATION CORPORATION, SYSTEMS AND IMAGERY DIVISION 0637-EX-PL-2006**
New experimental to operate in 1755-1850 MHz for testing a line-of-sight data link using AN/VRC-99B radios in Prophet HMMWV vehicles under US Army contract.
Mobile: Palm Bay (Brevard), FL
- **WE2XDZ ARINC INCORPORATED 0557-EX-PL-2006**
New experimental to operate in 1850-1910 MHz and 1930-1990 MHz for ground-based demonstrations of a picocell system and GSM handsets.
Fixed & Mobile: Annapolis (Anne Arundel), MD
- **WE2XDP RAYTHEON 0659-EX-PL-2006**
New experimental to operate in 1850-1910 MHz and 1930-1990 MHz for research on various wireless technologies.
Mobile: Campus of State College, PA
- **WE2XCN BECHTEL 0501-EX-PL-2006**
New experimental to operate in 1920.00-1930.00 MHz, 1975.00-1980.00 MHz, 2110.00-2120.00 MHz and 2165.00-2170.00 MHz for testing and evaluation of UMTS.
Fixed: Frederick, MD
- **WD2XZP LUCENT TECHNOLOGIES 0294-EX-PL-2006**
New experimental to operate in 2400-2600 MHz for Multiple Input Multiple Output (MIMO) technology demonstrations to potential government customers.
Mobile: Nationwide
- **WE2XCD ECHOSTAR BROADBAND 0270-EX-PL-2006**
New experimental to operate in 2505-2655 MHz for testing and evaluation of existing and developing RF technologies, equipment and services.
Fixed & Mobile: Various cities within states of GA, MO and KS
- **WE2XAT BROADTECH SOLUTIONS 0139-EX-PL-2006**
New experimental to operate in 3400-3600 MHz for evaluating WiMax equipment.
Fixed: Hartsburg, IL
- **WE2XEL THE BLUE ZONE UTAH 0138-EX-PL-2007**
New experimental to operate in 3650-3700 MHz for test and development of wireless broadband technologies.
Fixed & Mobile: South Jordan, UT
- **WE2XCS COMMUNICATION TECHNOLOGIES, INC. 0369-EX-PL-2006**
New experimental to operate in 5470-5725 MHz for testing wireless services.
Fixed: Fredericksted, VI
- **WE2XCW COMMUNICATION TECHNOLOGIES, INC. 0454-EX-PL-2006**
New experimental to operate in 5470-5725 MHz for testing wireless services.
Fixed: Christiansted, VI
- **WE2XCV COMMUNICATION TECHNOLOGIES, INC. 0457-EX-PL-2006**
New experimental to operate in 5470-5725 MHz for testing wireless services.
Fixed: Charlotte Amalie, VI
- **WE2XCU COMMUNICATION TECHNOLOGIES, INC. 0473-EX-PL-2006**
New experimental to operate in 5470-5725 MHz for testing wireless services.
Fixed: Sunny Isle, VI
- **WE2XCT COMMUNICATION TECHNOLOGIES, INC. 0474-EX-PL-2006**
New experimental to operate in 5470-5725 MHz for testing wireless services.
Fixed: Charlotte Amalie, VI

- **WE2XEW HUGHES NETWORK SYSTEMS, SUB LLC 0011-EX-PL-2006**
New experimental to operate in 14-14.5 GHz and 29.5-30 GHz for satellite communications on-the-move (SOTM).
Mobile: Continental United States, but not within 125 km of White Sands, NM
- **WE2XEN GENERAL DYNAMICS SATCOM TECHNOLOGIES, INC. 0507-EX-PL-2006**
New experimental to operate in 14-14.5 GHz to test and demonstrate various antenna and RF equipment configurations.
Fixed: Duluth, GA and temporary fixed in the Continental United States
- **WE2XCP SIERRA NEVADA CORPORATION 0603-EX-PL-2006**
New experimental to operate in 92.50-95.50 GHz for demonstrating Helicopter Autonomous Landing System (HALS).
Mobile: Reno, NV, Sparks, NV and Ft. Eustis, VA